Represent and Solve Take From Problems

Be Curious

What could the question be?



Math is... Mindset

How can you understand thinking that is different from yours?

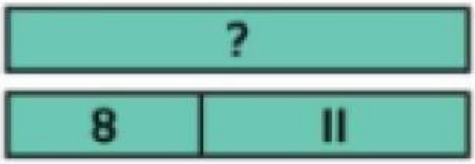
LIVEWORKSHEETS

Learn

Jon brings some juice boxes to share with his class.
His classmates drink 8 of the juice boxes.
There are 11 juice boxes left.

How many juice boxes did Jon bring?

A **bar diagram** can represent the problem.



An equation can help you find the unknown.

$$? - 8 = 11$$

$$19 - 8 = 11$$

Jon brought **19 juice boxes.**

Math is... Quantities

How do you know where the numbers belong in the bar diagram?

You can use subtraction to represent a problem in which a number is taken from another number.

Work Together

Lois has 18 tomatoes to sell. She sells some tomatoes. Now she has 13 tomatoes left. How many tomatoes did Lois sell?

____ _____

LIVEWORKSHEETS

On My Own

Name _____

1. Zak bakes some muffins for a bake sale. He sells 6 and there are 12 left. Which equation represents the problem?

   A. $12 - 6 = ?$ **B.** $? - 6 = 12$

   C. $? + 6 = 12$ **D.** $12 - ? = 6$

2. Ms. Tahir buys 25 pencils to give to her students. She gives away some pencils. She has 3 pencils left. How many pencils did Ms. Tahir give away? Write an equation that represents the problem. Then solve it.

   a. Equation:

   b. Solve: _____

3. **Error Analysis** Yumi is solving this problem.

   > Some nuts are in a bowl. I ate 9 nuts. There are 31 nuts left. How many nuts were in the bowl before?

   Yumi writes the equation $31 - 9 = ?$ to represent the problem. How do you respond to Yumi?

LIVEWORKSHEETS

What equation can represent the problem? Solve and explain how your equation relates to the problem.

4. There are 17 people in the pool. 7 people leave the pool. How many people are still in the pool?

5. Sue has 18 orange slices. She gives some to Juan. Sue has 6 left. How many slices did Sue give to Juan?

6. **Extend Your Thinking**

   a. Write a subtraction word problem with an unknown change number.

   b. Use an equation to solve your word problem.

Reflect

When can you use subtraction to find an unknown?

Math is... Mindset

How have you understood thinking that is different from yours?

Copyright © McGraw-Hill Education

LIVEWORKSHEETS